

SEARCH REQUEST FORM

Requestor's Name: M. Peffley Serial Number: 08/889,825
Date: 9/15/98 Phone: 308-4305 Art Unit: 3736

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

LITIGATION SEARCH ON

SER. # 08/889,825

5,431,648

— no reported litigation —

STAFF USE ONLY

Date completed: 9-16-98
Searcher: ESJ
Terminal time: 8
Elapsed time: _____
CPU time: _____
Total time: 10
Number of Searches: 2
Number of Databases: 7

Search Site

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☐ CM-1
☐ Pre-S

Type of Search

☐ N.A. Sequence
☐ A.A. Sequence
☐ Structure
☒ Bibliographic

Vendors

☐ IG
☐ STN
☐ Dialog
☐ APS
☐ Geninfo
☐ SDC
☐ DARC/Questel
☒ Other 70

Leys search

PATNO IS 5431648

DATE: SEPTEMBER 16, 1998

LIBRARY: PATENT

FILE: ALL

Your search request is:

PATNO IS 5431648

Number of PATENTS found with your search request through:

LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.

To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.

To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

Press Alt-H for Help or Alt-Q to Quit.

LEVEL 1 - 1 PATENT

1. 5,431,648, Jul. 11, 1995, Radiating device for hyperthermia, Lev, Avigdor, Segrate, Fondazione Centro S. Raffaele Del Monte Tabor, Milan, Italy (03)

Press Alt-H for Help or Alt-Q to Quit.

LEVEL 1 - 1 OF 1 PATENT

5,431,648

<=2> GET 1st DRAWING SHEET OF 4

Jul. 11, 1995

Radiating device for hyperthermia

REISSUE: Reissue Application Filed Jul. 8, 1997 (O.G. Jun. 9, 1998) Ex. Gp.:
3309; Re. S.N. 08/889, 825

Press Alt-H for Help or Alt-Q to Quit.

5,431,648 OR 5431648

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

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nbr us5431648

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| 1 | 1 | US5431646/PN |
| 2 | 1 | US5431647/PN |
| 3 | 1 | US5431648/PN |
| 4 | 1 | US5431649/PN |
| 5 | 1 | US5431650/PN |

UP N OR DOWN N?

sel 3

SS 1 RESULT (1)

prt full ind

-1- (LEGSTAT)

| | |
|---------------|---------------------------------------|
| PATENT NUMBER | US 5431648 [US5431648] |
| DOCUMENT TYPE | US-P |
| ACTION | 94.05.03 US/AE-A |
| | APPLICATION DATA (PATENT) |
| | {US 232190/94 [94US-232190] 94.05.03} |
| ACTION | 95.07.11 US/A |
| | PATENT |
| ACTION | 96.02.13 US/CC |
| | CERTIFICATE OF CORRECTION |
| ACTION | 98.06.09 US/RF |
| | REISSUE APPLICATION FILED |
| | 970708 |
| UPDATE | 9829 |

SS 3?

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ELAPSED TIME ON LEGSTAT: 0.03 HRS.

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nbr us5431648

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| 6 | 2 | US5431459/PN |
| 7 | 1 | US5431597/PN |
| 8 | 1 | US5432409/PN |
| 9 | 1 | US5432461/PN |
| 10 | 2 | US5432544/PN |

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no citations for '648 in LITALERT

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nbr us5431648

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| 12 | 1 | US5431639/PN |
| 13 | 2 | US5431648/PN |
| 14 | 1 | US5431654/PN |
| 15 | 1 | US5431655/PN |

UP N OR DOWN N?

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SS 1 RESULT (2)

SS 2?
prt full ind 1-2

-1- (PAST)

ACCESSION NUMBER
PATENT NUMBER
DOCUMENT TYPE
OFFICIAL GAZETTE
CODE

9823-000985
US5431648
A (UTILITY)
98.06.09
REA

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ACTION
SUBJECT HEADING

REISSUE APPLICATION FILED
REISSUE APPLICATION FILED

-2- (PAST)

ACCESSION NUMBER
PATENT NUMBER
DOCUMENT TYPE
OFFICIAL GAZETTE
CODE
ACTION
SUBJECT HEADING

9607-001126
US5431648
A (UTILITY)
96.02.13
COR
CERTIFICATE OF CORRECTION
CERTIFICATE OF CORRECTION

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File 345:Inpadoc/Fam.& Legal Stat. 1998/UD=9836
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| Set | Items | Description |
|-----|-------|-----------------|
| S1 | 1 | PN="US 5431648" |

1/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat.
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11585227

Basic Patent (No,Kind,Date): IT 91502993 A0 911111 <No. of Patents: 013>

PATENT FAMILY:

AUSTRIA (AT)

Patent (No,Kind,Date): AT 150632 E 970415
BESTRAHLUNGSVORRICHTUNG ZUR HYPERTHERMIE (German)
Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): IT 91MI 2993 A 911111
Applic (No,Kind,Date): EP 92924853 A 921110
Addnl Info: 00612228 970326
IPC: * A61B-017/36
Derwent WPI Acc No: * G 93-182176
Language of Document: German

AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):

AT 150632 R 970415 AT REF CORRESPONDS TO EP-PATENT
(ENTSPRICHT EP-PATENT)

EP 612228 P 970326

AT 150632 R 971015 AT UEP PUBLICATION OF TRANSLATION OF
EUROPEAN PATENT SPECIFICATION (UEBERSETZUNG
DER EUROPÄISCHEN PATENTSCHRIFT AUSGEGEBEN)

GERMANY (DE)

Patent (No,Kind,Date): DE 69218619 C0 970430
BESTRAHLUNGSVORRICHTUNG ZUR HYPERTHERMIE (German)
Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): IT 91MI 2993 A 911111; WO 92IT142 W
921110

Applic (No,Kind,Date): DE 69218619 A 921110

IPC: * A61B-017/36

Derwent WPI Acc No: * G 93-182176

Language of Document: German

Patent (No,Kind,Date): DE 69218619 T2 970703

BESTRAHLUNGSVORRICHTUNG ZUR HYPERTHERMIE (German)

Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)

Author (Inventor): LEV AVIGDOR (IT)

Priority (No,Kind,Date): IT 91MI 2993 A 911111; WO 92IT142 W
921110

Applic (No,Kind,Date): DE 69218619 A 921110

IPC: * A61B-017/36

Derwent WPI Acc No: * G 93-182176

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69218619 P 970430 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 612228 P 970430
DE 69218619 P 970703 DE 8373 TRANSLATION OF PATENT DOCUMENT
OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN
PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT
DES EUROPÄISCHEN PATENTES IST EINGEGANGEN
UND VEROEFFENTLICHT WORDEN)
DE 69218619 P 980423 DE 8364 NO OPPOSITION DURING TERM OF
OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE
DASS EINSPRUCH ERHOBEN WURDE)

DENMARK (DK)

Patent (No,Kind,Date): DK 612228 T3 970505
UDSTRAALINGSINDRETNING TIL HYPERTERMI (Danish)
Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): IT 91MI 2993 A 911111
Applic (No,Kind,Date): DK 9292924853 A 921110
IPC: * A61B-017/36
Derwent WPI Acc No: * G 93-182176
Language of Document: Danish

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 612228 A1 940831
A RADIATING DEVICE FOR HYPERTHERMIA. (English; French; German)
Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): WO 92IT142 W 921110; IT 91MI 2993 A
911111
Applic (No,Kind,Date): EP 92924853 A 921110
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IT;
LI; LU; MC; NL; SE
IPC: * A61B-017/36
Derwent WPI Acc No: * G 93-182176
Language of Document: English

Patent (No,Kind,Date): EP 612228 B1 970326
A RADIATING DEVICE FOR HYPERTHERMIA (English; French; German)
Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): WO 92IT142 W 921110; IT 91MI 2993 A
911111
Applic (No,Kind,Date): EP 92924853 A 921110
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IT;
LI; LU; MC; NL; SE
IPC: * A61B-017/36
Derwent WPI Acc No: * G 93-182176
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):
EP 612228 P 911111 EP AA PRIORITY (PATENT APPLICATION)
(PRIORITAET (PATENTANMELDUNG))
IT 91MI 2993 A 911111
EP 612228 P 921110 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
WO 92IT142 W 921110
EP 612228 P 921110 EP AE EP-APPLICATION (EUROPÄISCHE
ANMELDUNG)
EP 92924853 A 921110
EP 612228 P 940831 EP AK DESIGNATED CONTRACTING STATES IN
AN APPLICATION WITH SEARCH REPORT (IN EINER

| | | | |
|-----------|---|--------|---|
| | | | ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE |
| EP 612228 | P | 940831 | EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) |
| EP 612228 | P | 940831 | EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940603 |
| EP 612228 | P | 970303 | EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) |
| | | | SOCIETA' ITALIANA BREVETTI S.P.A. |
| EP 612228 | P | 970326 | EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) |
| | | | AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE |
| EP 612228 | P | 970326 | EP B1 PATENT SPECIFICATION (PATENTSCHRIFT) |
| EP 612228 | P | 970326 | EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 150632 R 970415 |
| EP 612228 | P | 970327 | CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 612228 | P | 970327 | CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE) |
| EP 612228 | P | 970430 | EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69218619 P 970430 |
| EP 612228 | P | 970505 | DK T3/REG TRANSLATION OF EP PATENT |
| EP 612228 | P | 970530 | EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE) |
| EP 612228 | P | 970616 | ES FG2A/REG DEFINITIVE PROTECTION (PROTECCION DEFINITIVA) 2100369T3 |
| EP 612228 | P | 980318 | EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT) |

SPAIN (ES)

Patent (No,Kind,Date): ES 2100369 T3 970616
 APARATO RADIANTE PARA HIPERTERMIA. (Spanish)
 Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE
 Author (Inventor): LEV AVIGDOR (IT)
 Priority (No,Kind,Date): IT 91MI 2993 A 911111
 Applic (No,Kind,Date): ES 92924853 EP 921110
 Addnl Info: 0612228 EP patent valid in AT
 IPC: * A61B-017/36
 Derwent WPI Acc No: * G 93-182176
 Language of Document: Spanish

SPAIN (ES)

Legal Status (No,Type,Date,Code,Text):
 ES 2100369 P 970616 ES FG2A DEFINITIVE PROTECTION
 (PROTECCION DEFINITIVA)
 612228

GREECE (GR)

Patent (No,Kind,Date): GR 3023121 T3 970730
 A RADIATING DEVICE FOR HYPERTHERMIA. (English)
 Patent Assignee: FONDAZIONE CENTRO SAN RAFFAELE (IT)
 Author (Inventor): LEV AVIGDOR (IT)

Best Available Copy

Priority (No,Kind,Date): IT 91MI 2993 A 911111; WO 92IT142 W
921110
Applic (No,Kind,Date): GR 403505 A 970414
IPC: * A61B-017/36
Derwent WPI Acc No: * G 93-182176
Language of Document: Greek

ITALY (IT)

Patent (No,Kind,Date): IT 1251997 A 950527
DISPOSITIVO RADIANTE PER IPERTERMIA (Italian)
Patent Assignee: SAN ROMANELLO CENTRO FOND
Author (Inventor): LEV AVIGDOR
Priority (No,Kind,Date): IT 91MI 2993 A 911111
Applic (No,Kind,Date): IT 91MI 2993 A 911111
IPC: * A61N
Derwent WPI Acc No: * G 93-182176
Language of Document: Italian
Patent (No,Kind,Date): IT 91502993 A0 911111
DISPOSITIVO RADIANTE PER IPERTERMIA (Italian)
Patent Assignee: FONDAZIONE CENTRO SAN ROMANELLO (IT)
Author (Inventor): LEV AVIGDOR
Priority (No,Kind,Date): IT 91MI 2993 A 911111
Applic (No,Kind,Date): IT 91MI 2993 A 911111
Derwent WPI Acc No: * G 93-182176
Language of Document: Italian

JAPAN (JP)

Patent (No,Kind,Date): JP 7504824 T2 950601
Priority (No,Kind,Date): WO 92IT142 W 921110; IT 91MI 2993 A
911111
Applic (No,Kind,Date): JP 92509133 A 921110
IPC: * A61F-007/12; A61N-005/02
Derwent WPI Acc No: * G 93-182176
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5431648 A 950711
RADIATING DEVICE FOR HYPERTERMIA (English)
Patent Assignee: FONDAZIONE CENTRO S RAFFAELE D (IT)
Author (Inventor): LEV AVIGDOR
Priority (No,Kind,Date): IT 91MI 2993 A 911111; WO 92IT142 W
921110
Applic (No,Kind,Date): US 232190 A 940503
National Class: * 606027000; 607101000; 607105000; 604096000
IPC: * A61B-001/00
Derwent WPI Acc No: * G 93-182176
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

| | | | | |
|------------|---|--------|-----------------------|-----------------------------|
| US 5431648 | P | 911111 | US AA | PRIORITY (PATENT) |
| | | | IT 91MI 2993 A | 911111 |
| US 5431648 | P | 921110 | US AA | PCT-APPLICATION (PCT-APPL.) |
| | | | WO 92IT142 W | 921110 |
| US 5431648 | P | 940503 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | | US 232190 A | 940503 |
| US 5431648 | P | 950711 | US A | PATENT |
| US 5431648 | P | 960213 | US CC | CERTIFICATE OF CORRECTION |
| US 5431648 | P | 980609 | US RF | REISSUE APPLICATION FILED |

(REISSUE APPL. FILED)
970708

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9309724 A1 930527
A RADIATING DEVICE FOR HYPERTHERMIA (English)
Patent Assignee: FONDAZIONE CENTRO SAN ROMANELL (IT)
Author (Inventor): LEV AVIGDOR (IT)
Priority (No,Kind,Date): IT 91MI 2993 A 911111
Applic (No,Kind,Date): WO 92IT142 A 921110
Designated States: (National) CA; JP; KR; LK; SE; US (Regional) AT;
BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; SE
Filing Details: WO 130000 With international search report; Before
expiration of time limit for amending the claims and to be
republished in the event of the receipt of the amendments
IPC: * A61B-017/36
Derwent WPI Acc No: ; G 93-182176
Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

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|------------|---|--------|----------------|---|
| WO 9309724 | P | 911111 | WO AA | PRIORITY (PATENT) |
| | | | IT 91MI 2993 A | 911111 |
| WO 9309724 | P | 921110 | WO AE | APPLICATION DATA (APPL. DATA) |
| | | | WO 92IT142 A | 921110 |
| WO 9309724 | P | 930527 | WO AK | DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) CA JP KR LK SE US |
| WO 9309724 | P | 930527 | WO AL | DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE |
| WO 9309724 | P | 930527 | WO A1 | PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT) |
| WO 9309724 | P | 930722 | WO DFPE | DEMAND FOR INTERNATIONAL APPLICATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (DEMAND FOR INTERNATIONAL APPL. FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE) |
| WO 9309724 | P | 940503 | WO ENP | ENTRY INTO THE NATIONAL PHASE IN: |
| WO 9309724 | P | 940506 | WO ENP | ENTRY INTO THE NATIONAL PHASE IN: |